

ABSTRACT

TUNABLE DYNAMIC GAIN FLATTENING FILTER USING POLARIZATION DELAYS

5 A dynamic gain flattening filter includes a first filter stage. The first filter stage has a first tunable coupling member and a first differential delay with first and second tunable delay paths. The first tunable coupling member adjusts an amount of power of the optical signal that is divided onto the first and second tunable delay paths of the first differential delay.